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LUPTON CASEMENTS



OF COPPER-STEEL

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DAVID LUPTON'S SONS CO.

LUPTON CASEMENTS *of Copper-Steel*



CATALOG C-122

DAVID LUPTON'S SONS COMPANY

Founded 1871

PHILADELPHIA, U. S. A.

ATLANTA
BALTIMORE
BOSTON

BUFFALO
CHICAGO
CLEVELAND

DALLAS
DETROIT
LOS ANGELES

NEWARK
NEW YORK
PITTSBURGH



THE essential practicality of Lupton Casements, as well as their charming appearance, has won them a wide acceptance among architects, builders, and discriminating home-owners. Lupton casements of copper-steel are made in the large variety of standard sizes shown on page 11. Immediate shipment can be made from large stocks.

LUPTON CASEMENTS

of Copper-Steel

NATURALLY, the window from which lovely Juliet gazed so fondly, the window which figures so prominently in Anglo-Saxon traditions,—was a casement. The haughty Capulets, like modern people of good taste, would have nothing less artistic in their home. With such an historic background, the casement has long taken first rank amongst windows, its old-world charm heightening the artistic appeal of any surroundings.

Home-lovers have always associated casement windows with the home they would like to build because, of all types, they are the most attractive, convenient, and natural in the home. In spite of this well-deserved popularity, casement windows were, until a few years ago, not practical for the average modern home-owner. Being formerly made of wood, they were subject to warping and were hard to make weather-tight. And, where metal casements could be procured, they were so expensive as to prohibit general use.

Now, however, beautiful and practical casements of copper-steel, made by Lupton, are available to builders everywhere—at a cost but slightly higher than that of ordinary windows. Lupton, familiar for years with the desires of home-owners and builders, has designed the Lupton Casement to meet every requirement.

The slender lines of these casements harmonize gracefully with any scheme of decoration and the proportions lend them-

selves readily to a variety of architectural styles. Double, oversize weather-contacts insure perfect protection against storms, while the smoothly operating hinges permit convenient ventilation at all times. Solid copper-steel members and an improved welding process give them their durability—their resistance to warping and decay. In short, Lupton has achieved the quantity production of steel casements which successfully combine beauty, durability, and convenience.

Lupton has made it easy to have these charming casements in any home because of the many sizes carried in stock for immediate delivery. They come completely assembled, and are as easy to set as a wood window.

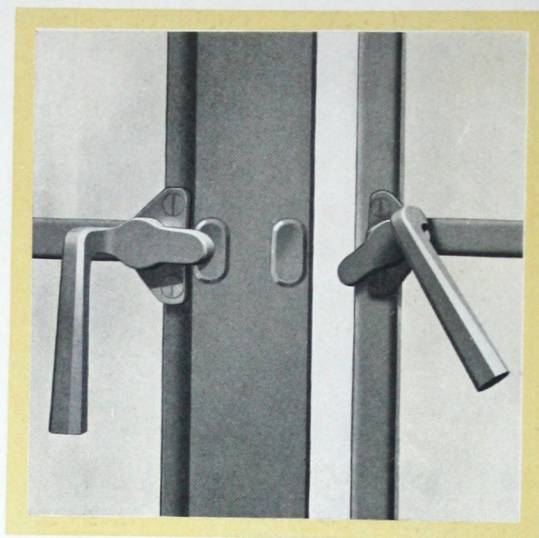
Copper-steel is not a catch term used to sell the product: it is a descriptive title for a strong, resistant alloy, admirably adapted to the manufacture of articles which must be exposed to the weather. All members of Lupton casements are rolled from solid copper-steel.

Lupton Casements of copper-steel add markedly to the beauty of the home, both inside and out; they protect the interior from rain and dust; and they give never-failing service during many years of usefulness. Their acknowledged worth is the direct result of Lupton's determination to maintain the same leadership in the manufacture of steel casements for homes that Lupton maintains in the building of steel sash for all other types of buildings.

DETAILS OF CONSTRUCTION

WHOEVER said that beauty was only skin deep spoke of something other than Lupton Casements. They are not only charming in appearance but are beautifully made—through and through.

Handles. Attractive hardware partly accounts for the popularity of Lupton Casements. The handles of the ventilators are of clean-cut design, pleasantly ornamental but not overly conspicuous. They are just the right size for convenient use and are securely attached in a manner which leaves no unsightly screws or bolts to be viewed from the outside. They bear against a raised button keeper when in the locking position and contain a positive, concealed stop which prevents



These handles have a comfortable feel and give just the right leverage to fasten the window securely.

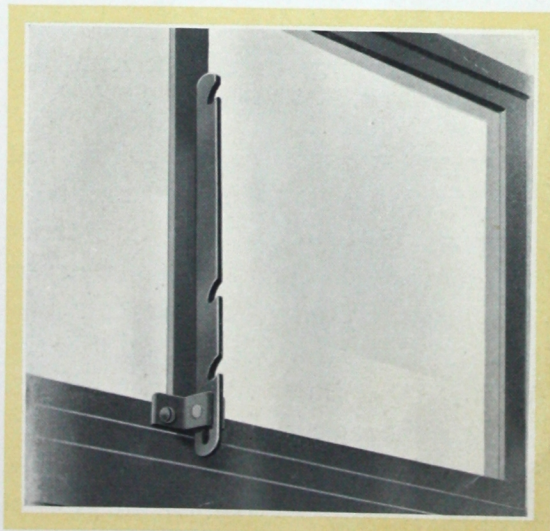
turning them too far. A simple twist of the wrist is all that is necessary to make the casements tight and proof against weather and dust.

Stout Welded Corners. Welding the corners of frame and ventilator is accomplished by an exclusive process which gives an accuracy and rigidity not previously attained in

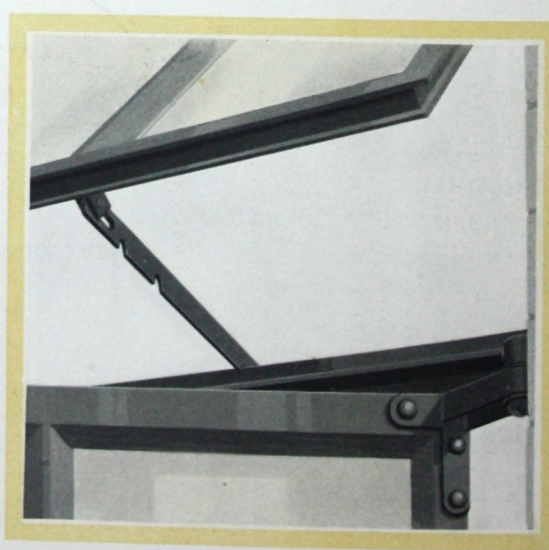
any window. A simple test demonstrates this fact.

Open the unglazed ventilator to a 90° position and stand on it. Then close the ventilator and it will be found to have suffered no distortion and to return accurately into place.

Transom. When the transom is opened, the notched stay bar automatically holds



The transom bar, slotted at the lower end, drops down and locks the ventilator when closed.



Notches in the transom bar fit over the window frame and hold the ventilator securely when open.

it firmly in the desired position. When the transom ventilator is closed, the stay bar lies close to the sash and locks the ventilator, due to its being slotted at the lower end.

Extended Hinge.

These extended hinges combine serviceability with good looks. They are made of malleable iron and have a removable screw pivot and bronze bushings to give a smooth and easy action. The self-draining design reduces adhesion surfaces to a minimum and prevents binding by ice or dirt. The extended movement draws the ventilator away from the frame in opening and thus leaves room for cleaning both sides of the windows from the inside.

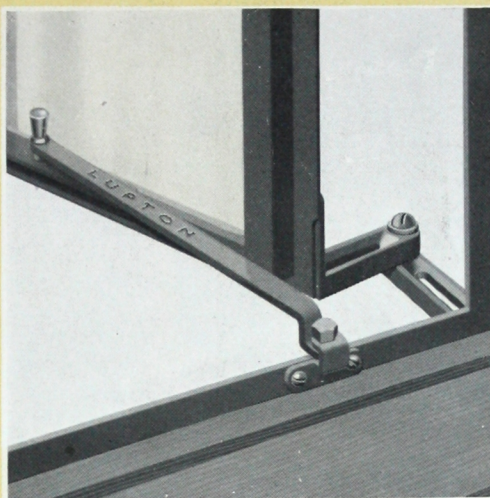
Interlocking Joint. Another example of Lupton craftsmanship—the interlocking muntin joint—is shown here. Besides

adding to the strength and rigidity of the muntins, this joint presents a thoroughbred appearance on the inner side of the sash where refinements of this nature are most appreciated.

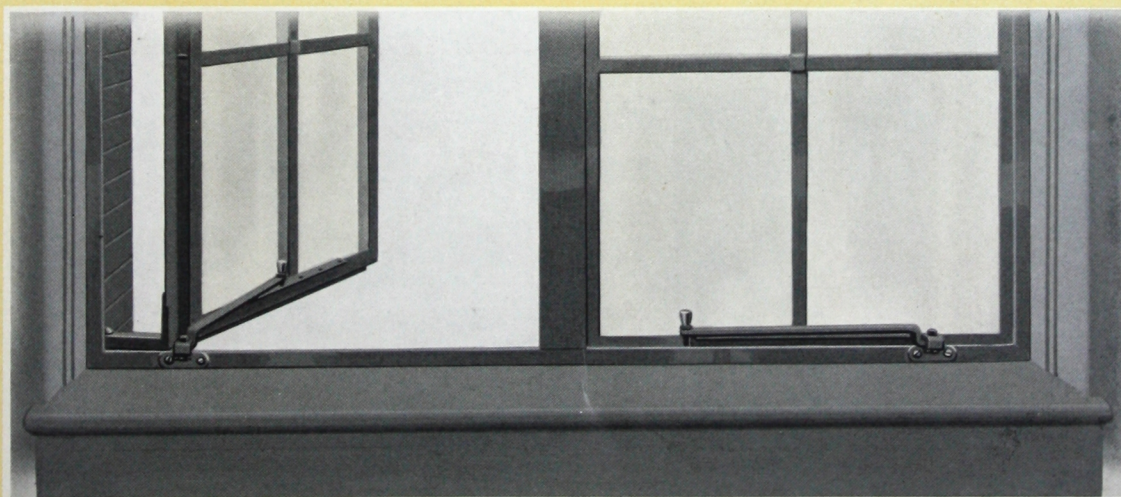
Peg Stay and Adjuster. A Peg Stay holds the window open at desired angles for ventilation. The tapered brass peg at the end of the stay fits snugly into various holes in an angle fastened to the lower sash member. When the ventilator is closed, this peg stay lies free

so that it cannot be injured through careless opening of the window. A sliding adjuster with brass slide and thumb-screw will be furnished when specified.

Special Sections. More special rolled sections are used in this casement than in any other make; yet on the whole Lupton uses a fewer number of pieces.



The stay bar is easy to drop into place. The extended hinges permit washing both sides of the window from the inside.



The refinement of the interlocking muntin joint is apparent from one glance at the window. The stay bar lies snug against the sash when closed.



ALTHOUGH Lupton Casements are widely used in fine residences, small houses can enjoy these beautiful windows, too—at a moderate cost made possible by quantity production.



ONE advantage of Lupton Casements is that they harmonize with any architectural treatment, such as this example of a California home.



THE charm of old English design, here expressed in lasting stone, is rounded out by the beauty and permanence of Lupton steel casements.



SPECIFICATIONS *for* LUPTON CASEMENTS

CONSTRUCTION

Casements are made of specially rolled low carbon copper-bearing steel sections. The corner joints of all frames and ventilators are welded. Muntins are riveted into frame members and have locked joints at intersections.

STANDARD HARDWARE

Side hinged windows have malleable iron window-cleaning (extended) hinges with special removable screw, bronze bushings and bronze washer. Top hinged transoms and standard one light wide side hinged windows have close up hinge of similar design. Hinges are riveted to frames and ventilators.

Side hinge windows are equipped with malleable iron locking handle, bronze keeper, and steel stay-bar adjuster with tapered brass peg to prevent rattle. Top hinged transoms have notched locking stay-bar. All hardware is attached to windows before shipment.

Note: Bronze handles and sliding adjuster with brass slide and thumb screw can be furnished at additional cost. These will be shipped loose from windows and applied by erector or owner after windows are set but before glazing is completed.

PAINTING

All sash receive one coat of manufacturers standard oven-dried gray paint before shipment.

GLAZING

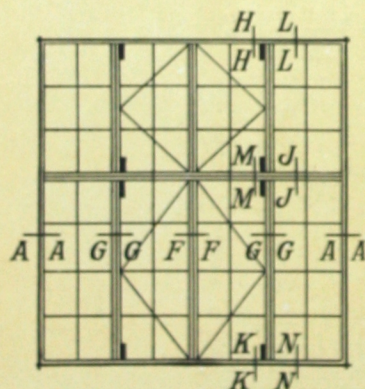
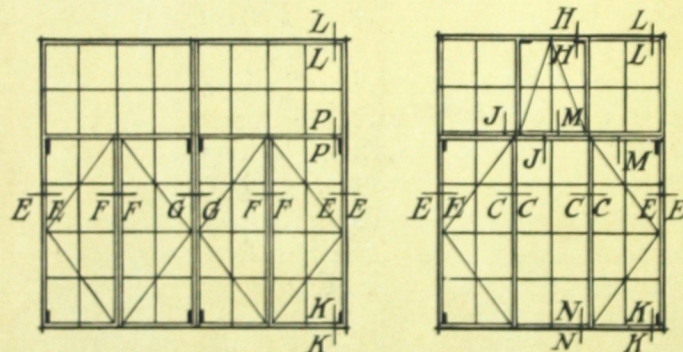
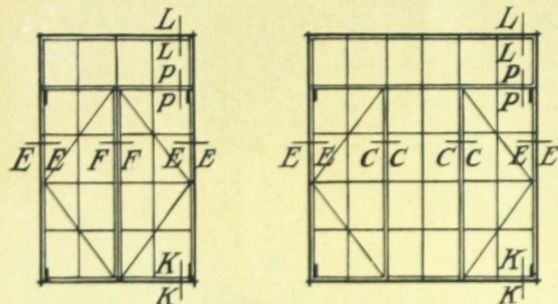
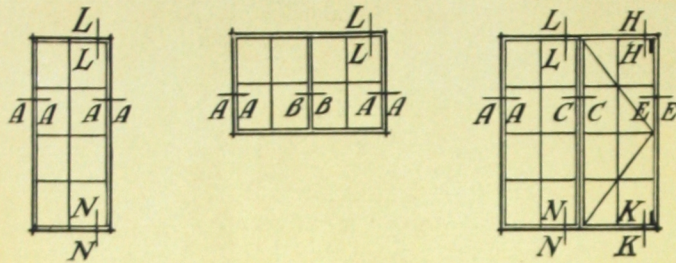
All sash shall be glazed with (kind of glass) glass set in Lupton steel sash putty and secured with spring glazing clips.

ERECTION

Erection shall be done by (state by whom)
The space between sash and opening shall be caulked with Lupton Elastic Pointing Cement. Where horizontal imposts occur, the concealed space between frame members and impost bar shall be filled with steel sash putty.

VERTICAL SECTIONS

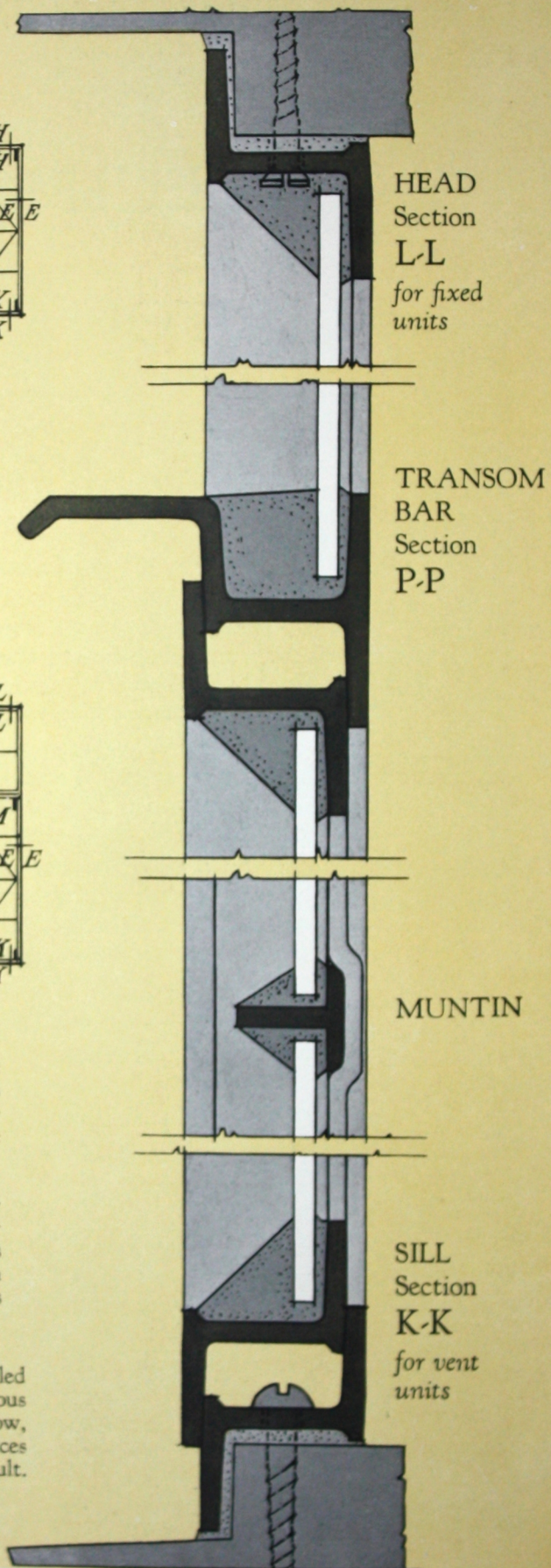
FULL SIZE



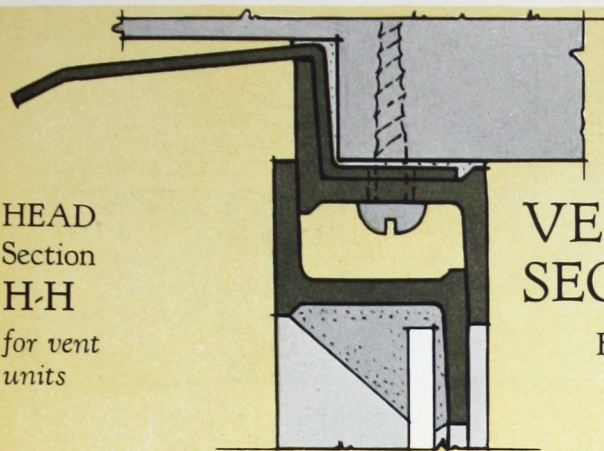
On this and the following two pages will be found full size sections showing all the conditions indicated in the diagrams above.

Half size sections showing diagram details of installation in various types of construction will be found on pages 13, 15, and 16.

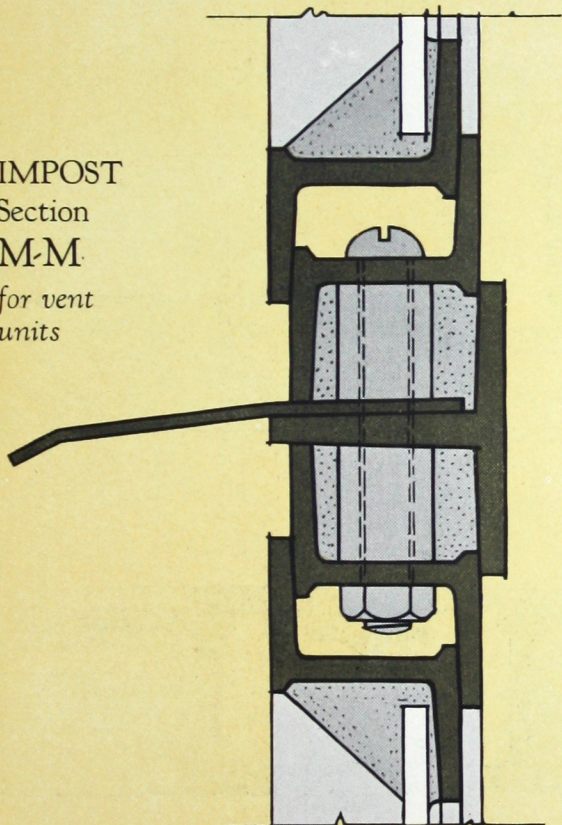
Attention is called to the fact that more special rolled sections are used in the Lupton Sash to meet the various conditions, than are used in any other type of window, yet on the whole Lupton uses a fewer number of pieces than any other window builder to obtain the same result.



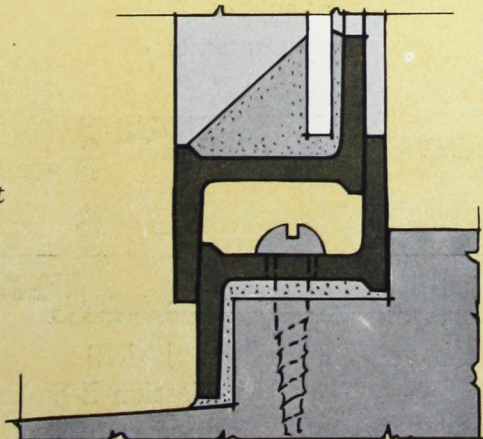
HEAD
Section
H-H
for vent
units



IMPOST
Section
M-M
for vent
units



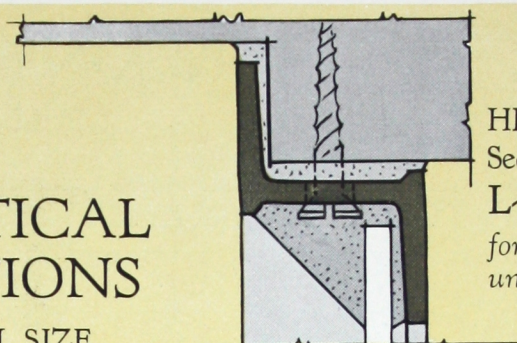
SILL
Section
K-K
for vent
units



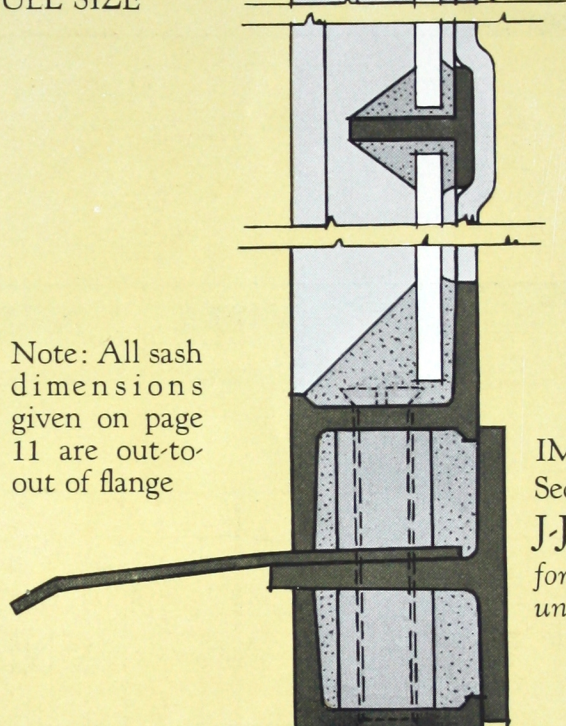
VERTICAL SECTIONS FULL SIZE

Note: All sash
dimensions
given on page
11 are out-to-
out of flange

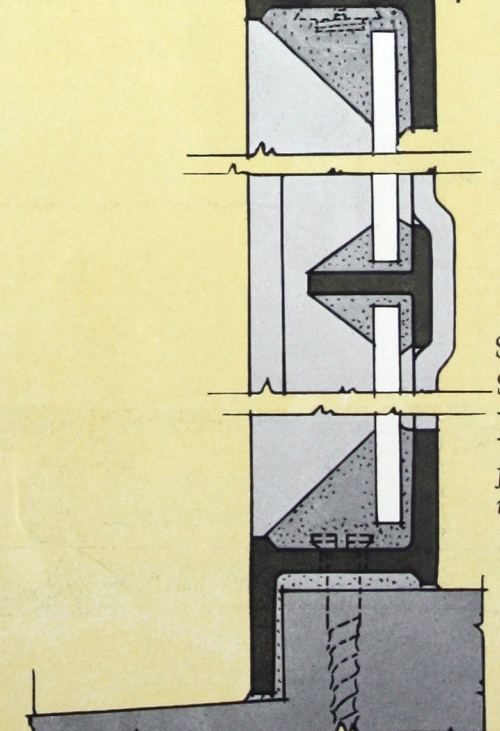
HEAD
Section
L-L
for fixed
units



IMPOST
Section
J-J
for fixed
units

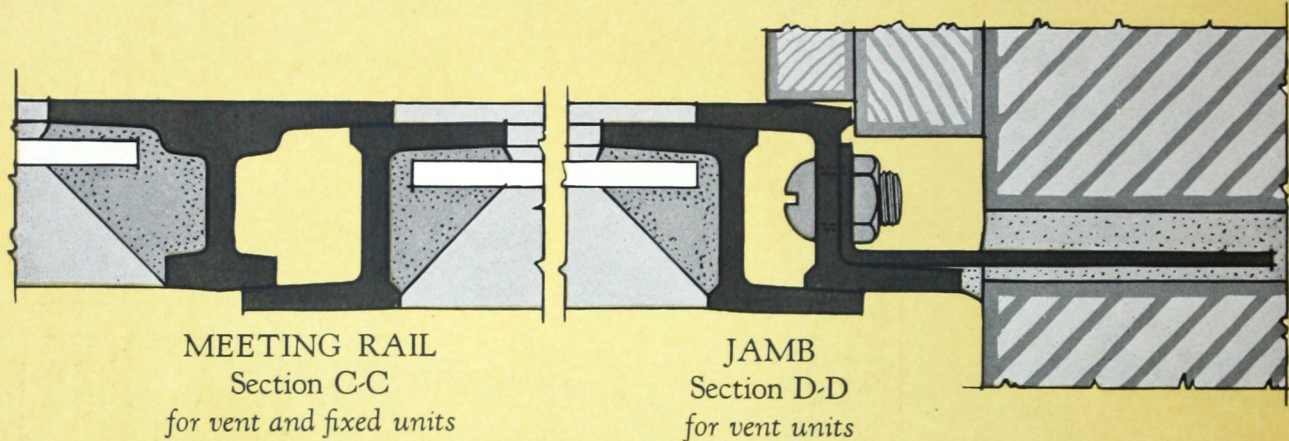
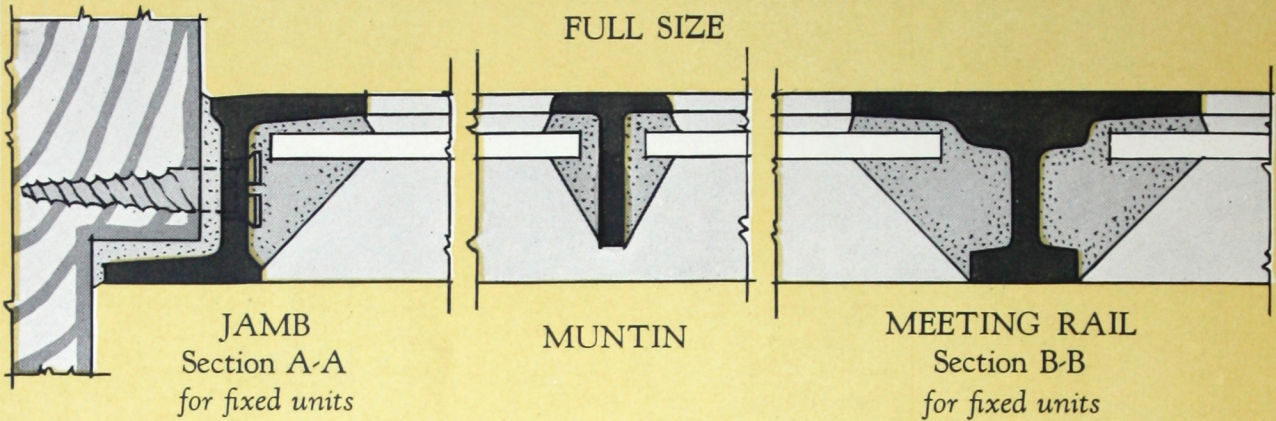


SILL
Section
N-N
for fixed
units

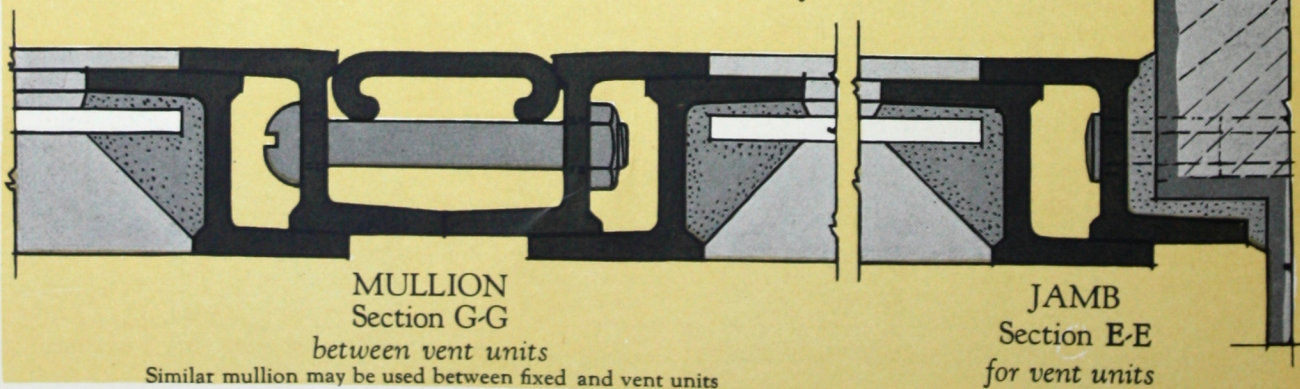
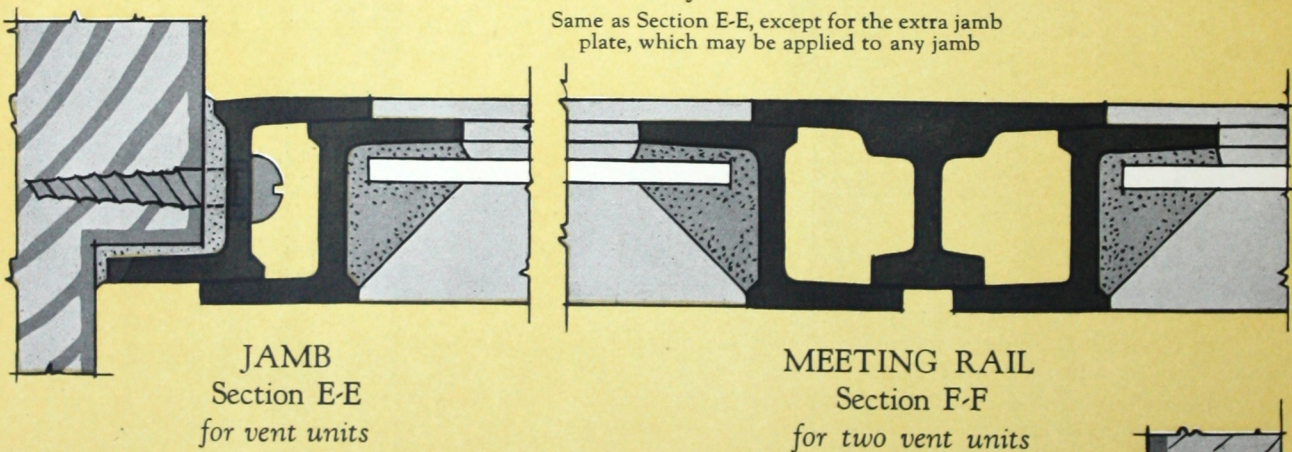


HORIZONTAL SECTIONS

FULL SIZE

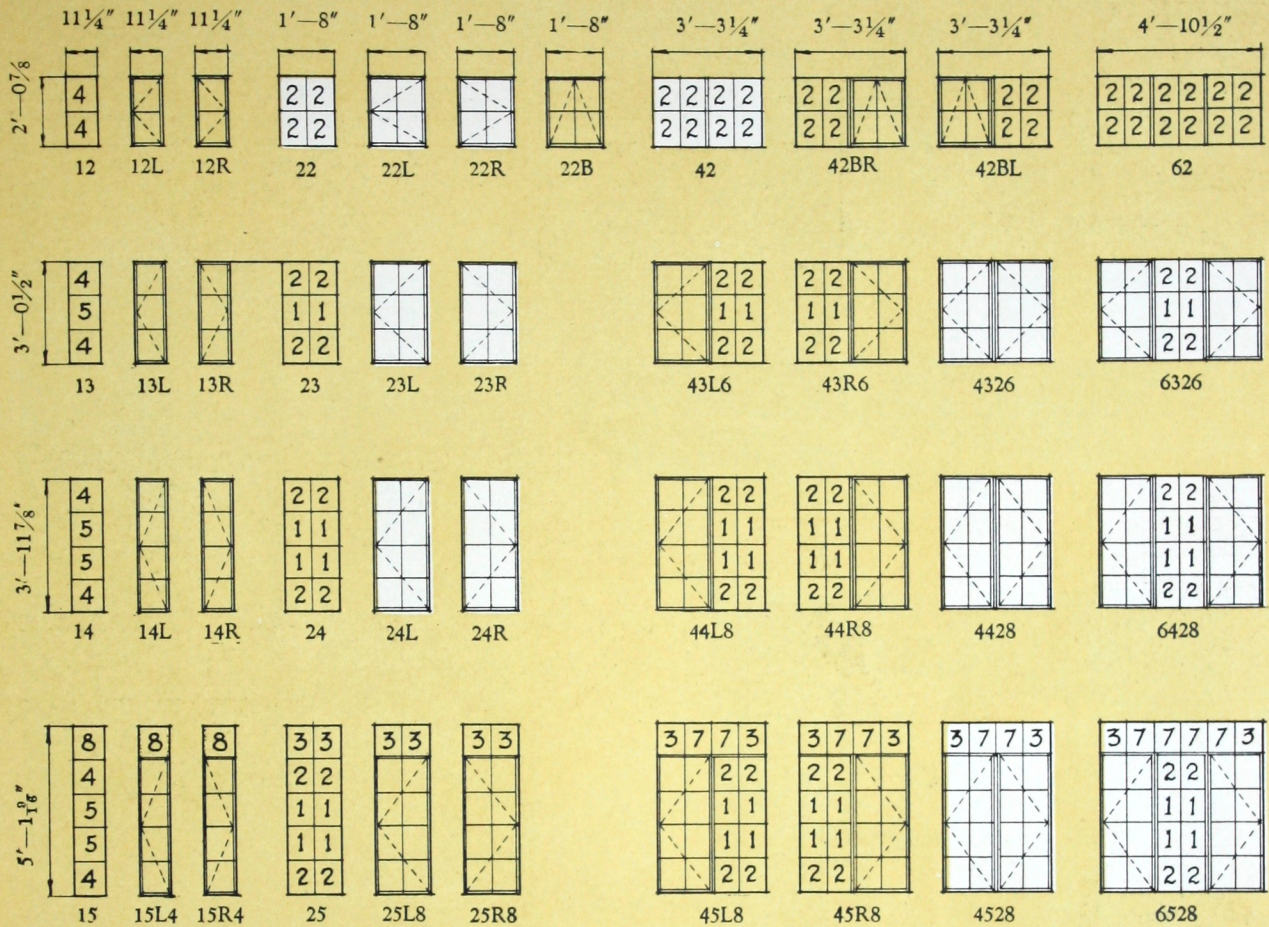


Same as Section E-E, except for the extra jamb plate, which may be applied to any jamb



Similar mullion may be used between fixed and vent units

STANDARD SIZES



Stock Sizes

Units shown here in clear white are carried in stock. Other units shown are standard sizes but are not carried in stock.

The dimensions given are in each case the "overall dimensions" of the units, *i.e.* out-to-out of flange.

All windows shown are as viewed from the inside. A left hand sash swinging from the right toward the left is indicated by dotted lines converging toward the left. A right hand sash swinging from the left toward the right is indicated by dotted lines converging toward the right. Transoms that open out at bottom are indicated by dotted lines converging toward the top.

Glass Sizes

All lights of glass are 8 1/2" x 11" except those noted otherwise.
 Lights marked 1 are 9" x 11" Lights marked 5 are 9 1/2" x 11"
 Lights marked 2 are 9" x 11 1/2" Lights marked 6 are 9 1/4" x 11"
 Lights marked 3 are 9" x 13" Lights marked 7 are 9 1/4" x 13"
 Lights marked 4 are 9 1/2" x 11 1/2" Lights marked 8 are 9 1/2" x 13"

NOTE: Sizes shown in clear white are carried in stock

The wide variety of standard size Lupton Casements is shown in the above diagram. The range of size and type is wide enough to provide a window for any ordinary requirement or any style of architectural treatment.



*M*ODERN interior decoration provides the lined drape as the proper means of controlling light from a window. Whether the drapes are closed to a narrow slit or opened the entire width of the window, the illumination admitted reaches the full height of the room.



A DORMER is more than a dormer when casement-fitted. It takes on an added expansiveness in feeling and in view.

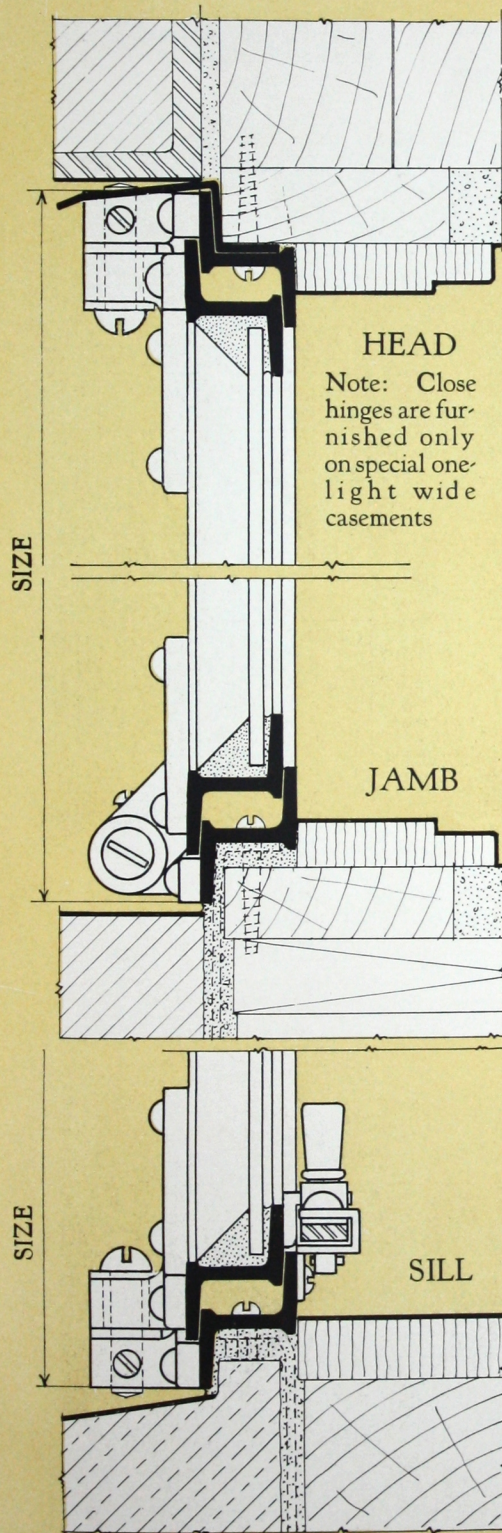
*H*OUSES are made to live in—comfortably. Lupton Casements forward this purpose to a remarkable degree by bringing an added comfort, convenience, and charm. They make home more liveable.



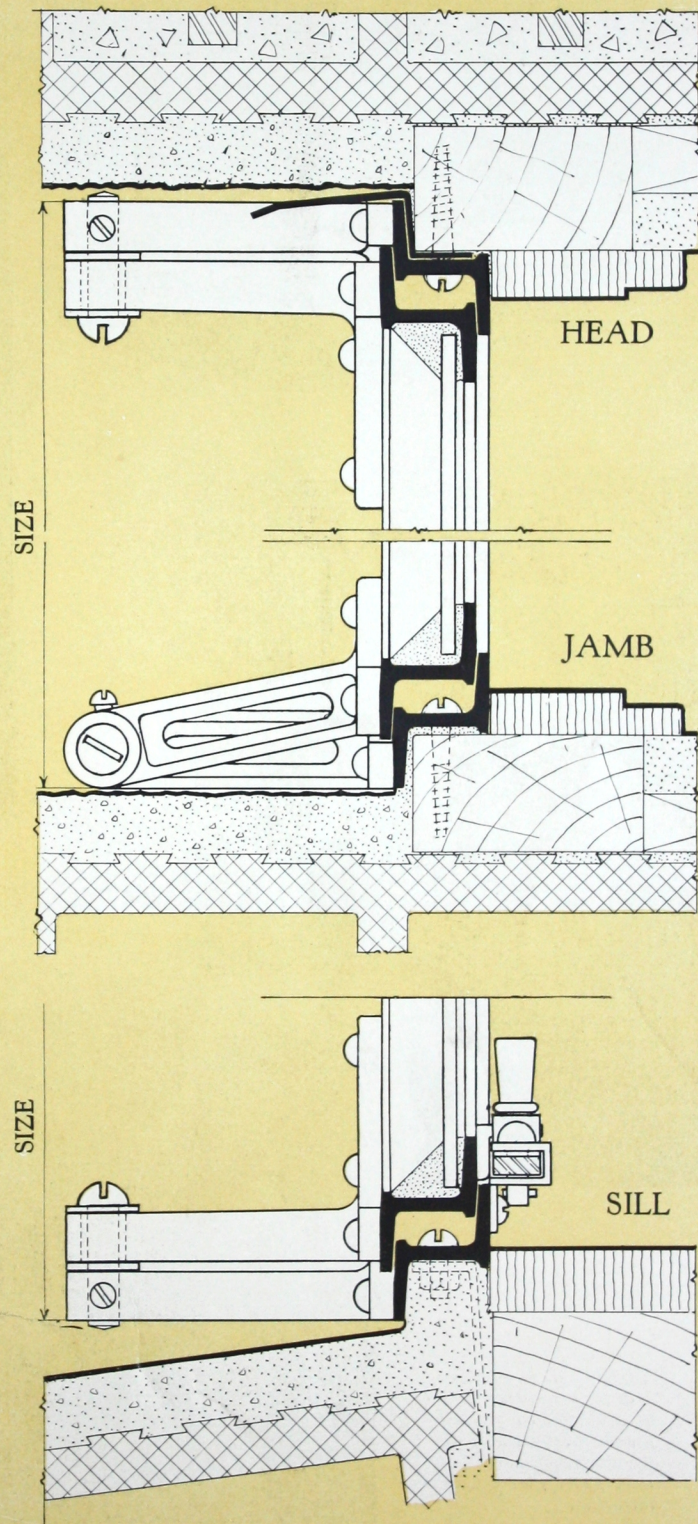
DETAILS OF INSTALLATION

ONE HALF SIZE

BRICK WALLS



TILE WALLS





WISE builders know that to install durable Lupton Casements in their houses or apartment buildings is to increase the value and saleability of these properties.



THE home-owner views approaching winter with equanimity when his house is made weather-tight by Lupton Casements.

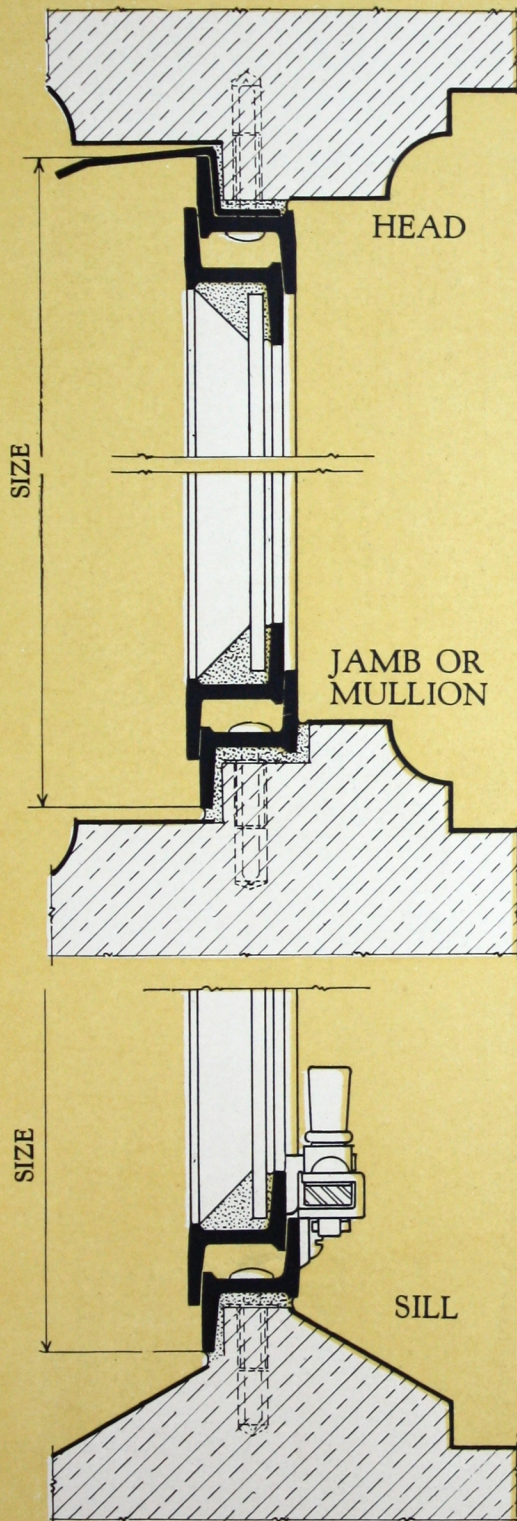


FRIENDLY windows these are. They seem to greet you as you approach the house. Their graceful appearance is always cheerful—always attractive.

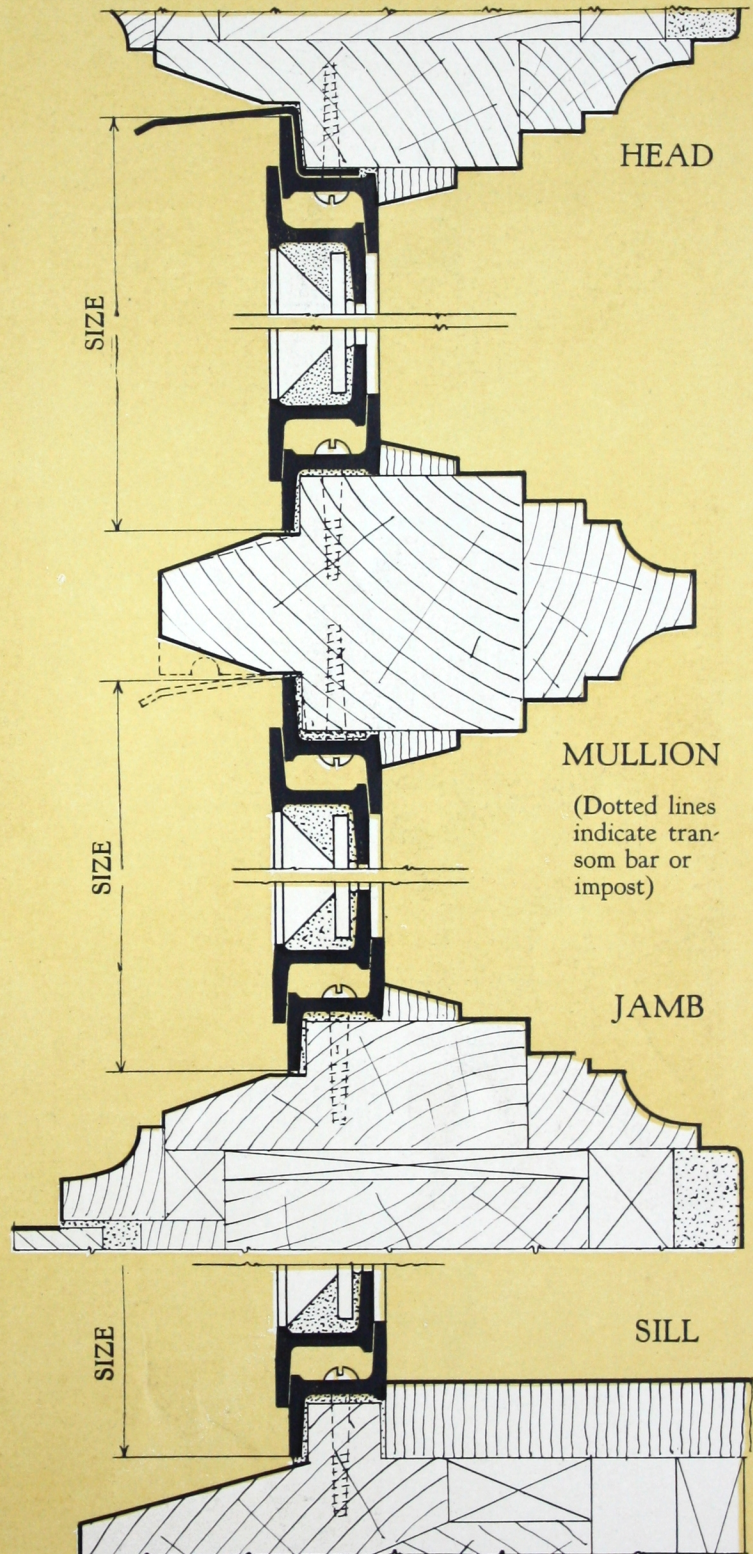
DETAILS OF INSTALLATION

ONE-HALF SIZE

STONE WALLS



HALF TIMBER

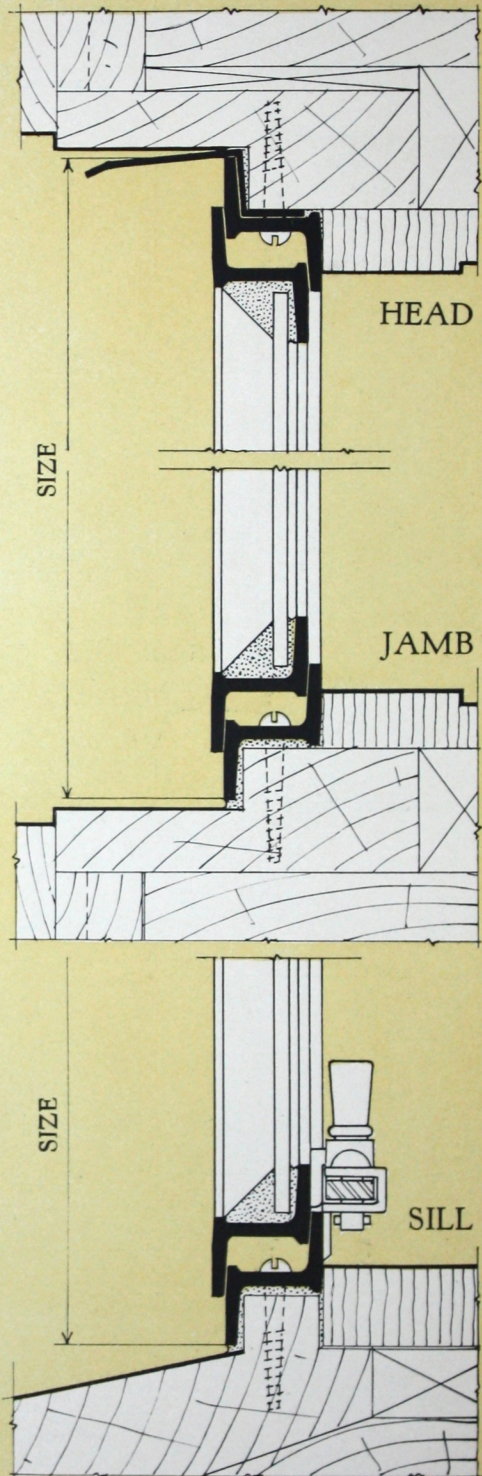
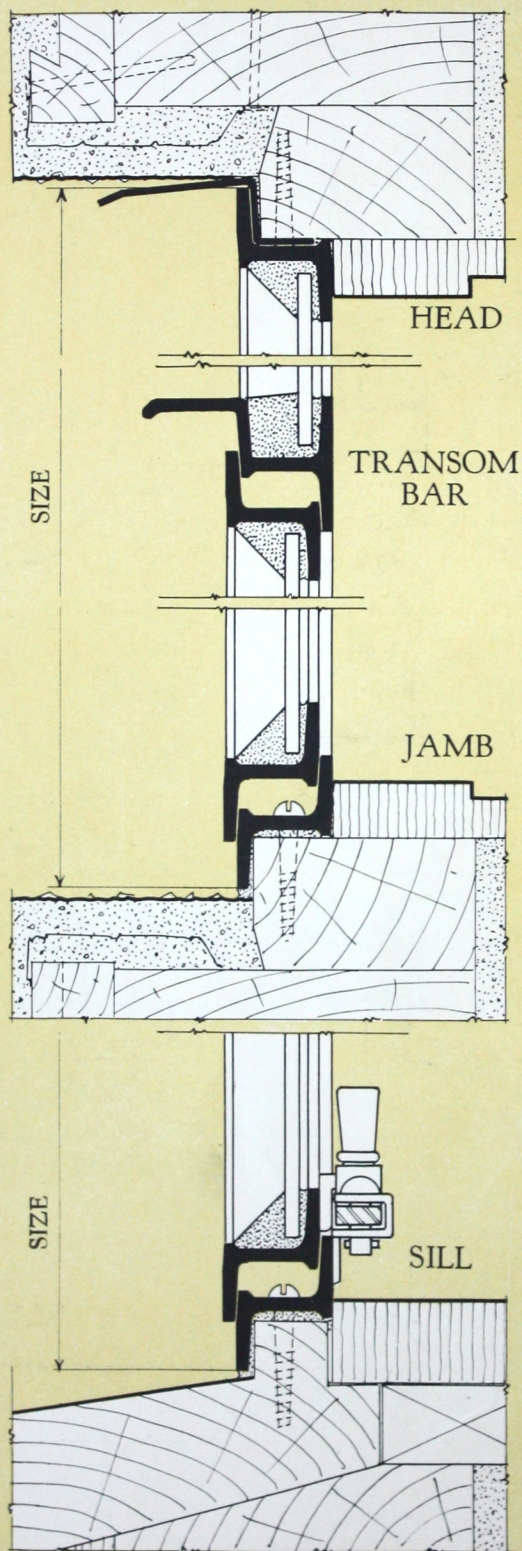


DETAILS OF INSTALLATION

ONE-HALF SIZE

STUCCO

FRAME



LUPTON SERVICE

Lupton service, available at all Lupton branch offices, includes advice regarding details of installation. Recommendations for screening, shades and drapes, as applied to your individual requirements and particular style of house, will also be furnished on request.

Call upon this service freely. It is gladly given without obligation.





"everywhere"